

B.) AMENDMENTS TO THE CLAIMS:

1. [currently amended] A method for attenuating noise in at least one heating or cooling system, comprising:
 - providing at least two compressors selectively controlling the rotational speed and the phase of operation of each compressor of the at least two compressors;
 - sensing outlet pressure pulses associated with each compressor of the at least two compressors;
 - determining the rotational speed and the phase of operation of each compressor of the at least two compressors based on the sensed outlet pressure pulses;
 - controlling the rotational speed of the at least two compressors at a predetermined rotational speed that is substantially the same for each compressor of the at least two compressors; and
 - shifting the phase of operation of at least one compressor of the at least two compressors so that outlet pressure pulses operatively produced by the at least two compressors are substantially evenly spaced.
2. [previously presented] The method of claim 1 wherein the step of shifting the phase of operation is performed in order to produce a composite pressure pulse frequency higher than the frequency of each compressor.
3. [previously presented] The method of claim 1 wherein the step of shifting the phase of operation is performed in order to produce a composite pressure pulse frequency that is a factor of "n" times higher than the frequency of each compressor, "n" being a total number of the at least two compressors.
4. [previously presented] The method of claim 1 wherein the at least two compressors are screw compressors.
5. [currently amended] A system for attenuating noise in at least one heating or cooling system comprising:
 - at least two compressors;
 - a means of control for selectively controlling the rotational speed and the phase of operation of each compressor of the at least two compressors;

a sensing means for sensing outlet pressure pulses associated with each compressor of the at least two compressors;

the means of control configured to determine the rotational speed and the phase of operation of each compressor of the at least two compressors based on the sensed outlet pressure pulses, and to control:

the rotational speed of the at least two compressors at a predetermined rotational speed that is substantially the same and

the phase of operation of the at least two compressors so that outlet pressure pulses operatively produced by the at least two compressors are substantially evenly spaced.

6. [original] The system of claim 5 wherein the means of control is a variable speed drive.
7. [previously presented] The system of claim 5 wherein the means of control for each compressor of the at least two compressors is a variable speed drive.
8. [currently amended] A method for attenuating noise in at least one heating or cooling system, the steps comprising:
 - providing at least two compressors;
 - selectably controlling the rotational speed and the phase of operation of each compressor of the at least two compressors;
 - sensing outlet pressure pulses associated with each compressor;
 - determining the rotational speed and the phase of operation of each compressor of the at least two compressors based on the sensed outlet pressure pulses;
 - controlling by the means of control the rotational speed of the at least two compressors at a predetermined rotational speed that is substantially the same for each compressor of the at least two compressors; and
 - shifting the phase of operation of at least one compressor of the at least two compressors so that outlet pressure pulse-pulses operatively produced by each compressor of the at least two compressors are substantially evenly spaced;
 - wherein the composite pressure pulse frequency is a factor of "n" times higher than the frequency between successive outlet pulses of each compressor, "n" being a total number of the at least two compressors.